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WHAT IS CLAIMED IS:

1. An information processing apparatus for dividing a print job to make a plurality of printers execute a print process, comprising:

spooling means for spooling data in specific file formats in accordance with a combination of a plurality of printers for outputting the divided print jobs; and

output control means for generating divided print data from the data spooled by said spooling means, and outputting the divided print data to the printers in order to print the divided print jobs at the printers.

- 2. An information processing apparatus according to claim 1, further comprising registering means for registering a plurality of output destination printers.
- 3. An information processing apparatus according to claim 2, wherein the print data is generated by a printer driver of each of the plurality of registered printers.
- 4. An information processing apparatus according to claim 1, further comprising judging means for judging a combination of the plurality of printers and judging whether device dependent data or device independent data is spooled.

- 5. An information processing apparatus according to claim 4, wherein said judging means judges whether all of the plurality of printers are printers using a printer language capable of dividing the print job in a page unit.
- 6. An information processing apparatus according to claim 4, wherein said judging means judges whether all of the plurality of printers are printers of a same type.
- 7. An information processing apparatus according to claim 4, wherein said judging means judges whether all of the plurality of printers have a same printer driver.
- 8. An information processing apparatus according to claim 4, wherein the device dependent data is RAW data and device independent data is EMF data.

9. An information processing apparatus according to claim 1, further comprising:

judging means for judging whether a page number of a page to be printed can be designated in the print job to be output from each printer; and

transfer control means for copying the print job as many as the number of printers for outputting the

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divided print jobs, adding a page number of a page to be printed to each of the copied print jobs, and transferring the copied print jobs to the printers, if said judging means judges that the page number can be designated, and if said judging means judges that the page number cannot be designated, dividing the print jobs for each page to be printed at the printers for distributed printing and transferring the divided print jobs to the printers.

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- 10. An information processing apparatus according to claim 9, wherein said judging means judges from page designation print performance information of each printer whether the page number of a page to be printed can be designated in the print job to be output from each printer.
- 11. An information processing apparatus according to claim 2, further comprising:

re-arranging means for re-arranging a combination of a plurality of printers for outputting the divided print jobs, among the plurality of printers registered by said registering means, if a printer for outputting the divided print job cannot execute a print process;

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report forming means for forming a distributed printing result report in accordance with a distributed

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printing result obtained by the printers re-arranged by said re-arranging means,

wherein after the distributed printing by the rearranged printers, the distributed printing result report formed by said report forming means is output to one of the re-arranged printers.

- 12. An information processing apparatus according to claim 2, further comprising distributed data generating means for dividing the print job and making a printer driver corresponding to each printer generate print data to print the print data at the printers registered by said registering means, wherein said distributed data generating means controls each printer driver to generate the print data added with an off-line command.
- 13. An information processing apparatus according to claim 12, wherein the printer driver corresponding
 20 to each of the printers registered by said registering means generates the print data.
 - 14. An information processing apparatus according to claim 11, wherein if all the printers cannot execute the print process, this effect is output to a printer which outputs the distributed printing result when an error occurs.

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15. An information processing apparatus according to claim 11, wherein said output control means generates the print data by acquiring data of an intermediate data format spooled by said spooling means.

- 16. An information processing apparatus according to claim 12, wherein said registering means resisters a printer to which the distributed printing result report is output.
- 17. An information processing apparatus according to claim 11, wherein the print data is generated by adding an off-line command to the print data for the distributed printing.
- 18. An information processing apparatus according to claim 11, further comprising:

judging means for judging whether each of the printers registered by said registering means outputs the print job normally,

wherein the distributed printing result report formed by said report forming means is output to a printer to which the report is output, if said judging means judges that the print job for each printer cannot output normally.

19. An information processing apparatus according to claim 11, further comprising:

detecting means for detecting a print job process error by monitoring a process state of the print job distributed to the printers by said output control means.

wherein said re-arranging means re-arranges a combination of a plurality of printers capable of normally outputting the print job distributed to the printers by said output control means, in accordance with a detection result of the print job process error by said detecting means.

20. An information processing method for dividing a print job to make a plurality of printers execute a print process, comprising:

a spooling step of spooling data in specific file formats in accordance with a combination of a plurality of printers for outputting the divided print jobs; and

an output control step of generating divided print data from the data spooled by said spooling step, and outputting the divided print data to the printers in order to print the divided print jobs at the printers.

21. An information processing method according to claim 20, further comprising a registering step of for registering a plurality of output destination printers.

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22. An information processing method according to claim 21, wherein the print data is generated by a printer driver of each of the plurality of registered printers.

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23. An information processing method according to claim 20, further comprising a judging step of judging a combination of the plurality of printers and judging whether device dependent data or device independent data is spooled.

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24. An information processing method according to claim 23, wherein said judging step judges whether all of the plurality of printers are printers using a printer language capable of dividing the print job in a page unit.

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25. An information processing method according to claim 23, wherein said judging step judges whether all of the plurality of printers are printers of a same type.

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26. An information processing method according to claim 23, wherein said judging step judges whether all of the plurality of printers have a same printer driver.

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jobs to the printers.

- 27. An information processing method according to claim 23, wherein the device dependent data is RAW data and device independent data is EMF data.
- 28. An information processing method according to claim 20, further comprising:

a judging step of judging whether a page number of a page to be printed can be designated in the print job to be output from each printer; and

a transfer control step of copying the print job as many as the number of printers for outputting the divided print jobs, adding a page number of a page to be printed to each of the copied print jobs, and transferring the copied print jobs to the printers, if said judging step judges that the page number can be designated, and if said judging step judges that the page number cannot be designated, dividing the print jobs for each page to be printed at the printers for distributed printing and transferring the divided print

29. An information processing method according to claim 28, wherein said judging step judges from page designation print performance information of each printer whether the page number of a page to be printed can be designated in the print job to be output from each printer.

30. An information processing method according to claim 21, further comprising:

a re-arranging step of re-arranging a combination of a plurality of printers for outputting the divided print jobs, among the plurality of printers registered by said registering step, if a printer for outputting the divided print job cannot execute a print process; and

a report forming step of forming a distributed printing result report in accordance with a distributed printing result obtained by the printers re-arranged by said re-arranging step,

wherein after the distributed printing by the rearranged printers, the distributed printing result report formed by said report forming step is output to one of the re-arranged printers.

31. An information processing method according to claim 21, further comprising a distributed data generating step of dividing the print job and making a printer driver corresponding to each printer generate print data to print the print data at the printers registered by said registering step, wherein said distributed data generating step controls each printer driver to generate the print data added with an off-line command.

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32. An information processing method according to claim 31, wherein the printer driver corresponding to each of the printers registered by said registering step generates the print data.

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33. An information processing method according to claim 30, wherein if all the printers cannot execute the print process, this effect is output to a printer which outputs the distributed printing result when an error occurs.

34. An information processing method according to claim 30, wherein said output control step generates the print data by acquiring data of an intermediate data format spooled by said spooling step.

- 35. An information processing method according to claim 31, wherein said registering step resisters a printer to which the distributed printing result report is output.
- 36. An information processing method according to claim 30, wherein the print data is generated by adding an off-line command to the print data for the distributed printing.
 - 37. An information processing method according to



claim 30, further comprising:

a judging step of judging whether each of the printers registered by said registering step outputs the print job normally,

wherein the distributed printing result report formed by said report forming step is output to a printer to which the report is output, if said judging step judges that the print job for each printer cannot output normally.

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38. An information processing method according to claim 30, further comprising:

a detecting step of detecting a print job process error by monitoring a process state of the print job distributed to the printers by said output control step,

wherein said re-arranging step re-arranges a combination of a plurality of printers capable of normally outputting the print job distributed to the printers by said output control step, in accordance with a detection result of the print job process error by said detecting step.

39. A computer-readable memory medium which
25 stores a computer program for a method of dividing a
print job to make a plurality of printers execute a
print process, said program comprising:

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a spooling step of spooling data in specific file formats in accordance with a combination of a plurality of printers for outputting the divided print jobs; and

an output control step of generating divided print data from the data spooled by said spooling step, and outputting the divided print data to the printers in order to print the divided print jobs at the printers.

- 40. A computer-readable memory medium according to claim 39, wherein said program further comprises a registering step of for registering a plurality of output destination printers.
- 41. A computer-readable memory medium according to claim 40, wherein the print data is generated by a printer driver of each of the plurality of registered printers.
- 42. A computer-readable memory medium according
 to claim 39, wherein said program further comprises a
 judging step of judging a combination of the plurality
 of printers and judging whether device dependent data
 or device independent data is spooled.
- 25 43. A computer-readable memory medium according to claim 42, wherein said judging step judges whether all of the plurality of printers are printers using a

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printer language capable of dividing the print job in a page unit.

- 44. A computer-readable memory medium according
 to claim 42, wherein said judging step judges whether
 all of the plurality of printers are printers of a same
 type.
- 45. A computer-readable memory medium according to claim 42, wherein said judging step judges whether all of the plurality of printers have a same printer driver.
 - 46. A computer-readable memory medium according to claim 42, wherein the device dependent data is RAW data and device independent data is EMF data.
 - 47. A computer-readable memory medium according to claim 39, wherein said program further comprises:
- a judging step of judging whether a page number of a page to be printed can be designated in the print job to be output from each printer; and
 - a transfer control step of copying the print job as many as the number of printers for outputting the divided print jobs, adding a page number of a page to be printed to each of the copied print jobs, and transferring the copied print jobs to the printers, if

said judging step judges that the page number can be designated, and if said judging step judges that the page number cannot be designated, dividing the print jobs for each page to be printed at the printers for distributed printing and transferring the divided print jobs to the printers.

48. A computer-readable memory medium according to claim 47, wherein said judging step judges from page designation print performance information of each printer whether the page number of a page to be printed can be designated in the print job to be output from each printer.

49. A computer-readable memory medium according to claim 40, wherein said program further comprises:

a re-arranging step of re-arranging a combination of a plurality of printers for outputting the divided print jobs, among the plurality of printers registered by said registering step, if a printer for outputting the divided print job cannot execute a print process; and

a report forming step of forming a distributed printing result report in accordance with a distributed printing result obtained by the printers re-arranged by said re-arranging step,

wherein after the distributed printing by the

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re-arranged printers, the distributed printing result report formed by said report forming step is output to one of the re-arranged printers.

50. A computer-readable memory medium according to claim 40, wherein said program further comprises a distributed data generating step of dividing the print job and making a printer driver corresponding to each printer generate print data to print the print data at the printers registered by said registering step, wherein said distributed data generating step controls each printer driver to generate the print data added with an off-line command.

51. A computer-readable memory medium according to claim 50, wherein the printer driver corresponding to each of the printers registered by said registering step generates the print data.

52. A computer-readable memory medium according to claim 49, wherein if all the printers cannot execute the print process, this effect is output to a printer which outputs the distributed printing result when an error occurs.

53. A computer-readable memory medium according to claim 49, wherein said output control step generates

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the print data by acquiring data of an intermediate data format spooled by said spooling step.

54. A computer-readable memory medium according to claim 50, wherein said registering step resisters a printer to which the distributed printing result report is output.

55. A computer-readable memory medium according to claim 49, wherein the print data is generated by adding an off-line command to the print data for the distributed printing.

56. A computer-readable memory medium according to claim 49, wherein said program further comprises:

a judging step of judging whether each of the printers registered by said registering step outputs the print job normally,

wherein the distributed printing result report formed by said report forming step is output to a printer to which the report is output, if said judging step judges that the print job for each printer cannot output normally.

57. A computer-readable memory medium according to claim 49, wherein said program further comprises:

a detecting step of detecting a print job process

error by monitoring a process state of the print job distributed to the printers by said output control step,

wherein said re-arranging step re-arranges a combination of a plurality of printers capable of normally outputting the print job distributed to the printers by said output control step, in accordance with a detection result of the print job process error by said detecting step.

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58. A computer program for a method of dividing a print job to make a plurality of printers execute a print process, said program comprising:

a spooling step of spooling data in specific file formats in accordance with a combination of a plurality of printers for outputting the divided print jobs; and

an output control step of generating divided print data from the data spooled by said spooling step, and outputting the divided print data to the printers in order to print the divided print jobs at the printers.

- 59. A computer program according to claim 58, wherein said program further comprises a registering step of for registering a plurality of output destination printers.
 - 60. A computer program according to claim 59,

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wherein the print data is generated by a printer driver of each of the plurality of registered printers.

- 61. A computer program according to claim 58, wherein said program further comprises a judging step of judging a combination of the plurality of printers and judging whether device dependent data or device independent data is spooled.
- 62. A computer program according to claim 61, wherein said judging step judges whether all of the plurality of printers are printers using a printer language capable of dividing the print job in a page unit.
 - 63. A computer program according to claim 61, wherein said judging step judges whether all of the plurality of printers are printers of a same type.
- 20 64. A computer program according to claim 61, wherein said judging step judges whether all of the plurality of printers have a same printer driver.
- 65. A computer program according to claim 61,
 25 wherein the device dependent data is RAW data and
 device independent data is EMF data.

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66. A computer program according to claim 58, wherein said program further comprises:

a judging step of judging whether a page number of a page to be printed can be designated in the print job to be output from each printer; and

a transfer control step of copying the print job as many as the number of printers for outputting the divided print jobs, adding a page number of a page to be printed to each of the copied print jobs, and transferring the copied print jobs to the printers, if said judging step judges that the page number can be designated, and if said judging step judges that the page number cannot be designated, dividing the print jobs for each page to be printed at the printers for distributed printing and transferring the divided print jobs to the printers.

- 67. A computer program according to claim 66, wherein said judging step judges from page designation print performance information of each printer whether the page number of a page to be printed can be designated in the print job to be output from each printer.
- 68. A computer program according to claim 59, wherein said program further comprises:

a re-arranging step of re-arranging a combination

of a plurality of printers for outputting the divided print jobs, among the plurality of printers registered by said registering step, if a printer for outputting the divided print job cannot execute a print process; and

a report forming step of forming a distributed printing result report in accordance with a distributed printing result obtained by the printers re-arranged by said re-arranging step,

wherein after the distributed printing by the rearranged printers, the distributed printing result report formed by said report forming step is output to one of the re-arranged printers.

69. A computer program according to claim 59, wherein said program further comprises a distributed data generating step of dividing the print job and making a printer driver corresponding to each printer generate print data to print the print data at the printers registered by said registering step, wherein said distributed data generating step controls each printer driver to generate the print data added with an off-line command.

70. A computer program according to claim 69, wherein the printer driver corresponding to each of the printers registered by said registering step generates

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the print data.

- 71. A computer program according to claim 68, wherein if all the printers cannot execute the print process, this effect is output to a printer which outputs the distributed printing result when an error occurs.
- 72. A computer program according to claim 68, wherein said output control step generates the print data by acquiring data of an intermediate data format spooled by said spooling step.
- 73. A computer program according to claim 69, wherein said registering step resisters a printer to which the distributed printing result report is output.
- 74. A computer program according to claim 68, wherein the print data is generated by adding an off-line command to the print data for the distributed printing.
 - 75. A computer program according to claim 68, wherein said program further comprises:
- a judging step of judging whether each of the printers registered by said registering step outputs the print job normally,

wherein the distributed printing result report formed by said report forming step is output to a printer to which the report is output, if said judging step judges that the print job for each printer cannot output normally.

76. A computer program according to claim 68, wherein said program further comprises:

a detecting step of detecting a print job process error by monitoring a process state of the print job distributed to the printers by said output control step,

wherein said re-arranging step re-arranges a combination of a plurality of printers capable of normally outputting the print job distributed to the printers by said output control step, in accordance with a detection result of the print job process error by said detecting step.

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